



Gulf of Mexico Harmful Algal Bloom Bulletin

2 December 2005

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: December 1, 2005

Conditions Report

Analysis

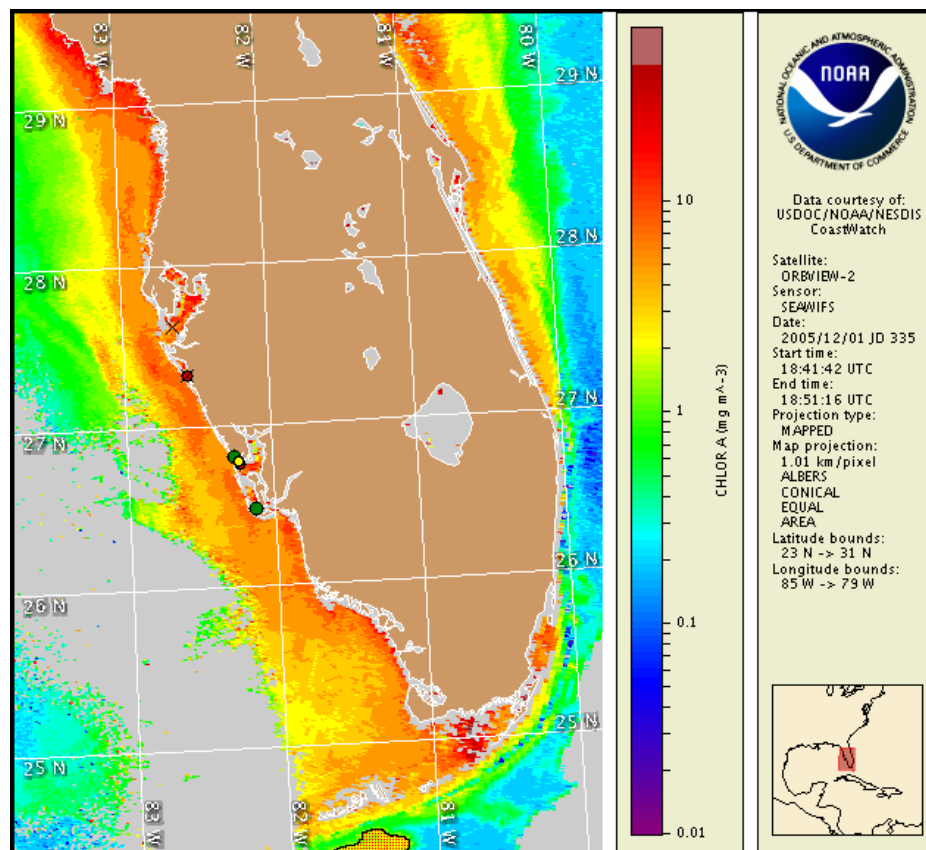
This is a supplemental bulletin regarding present conditions in the Keys.

Fish kills have been reported in the Keys. An area with elevated chlorophyll may match up with the 'low' *K. brevis* found earlier this week south of Key West (Mote Marine Lab, 11/29-30). Coordinates of that elevated chlorophyll region are:

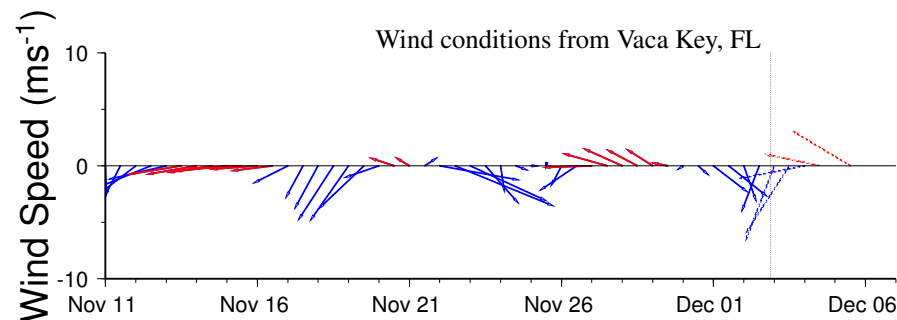
possible western edge: 24°21'N, 81°49'W; eastern edge: 24°21'N, 81°12'W; middle: 24°18'N, 81°33'W

An intense algae bloom was present between Key West and the Tortugas about Nov 28. Clouds have obscured the area, however that feature may be related to the feature south of Key West.

~Fisher, Stumpf



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from November 22 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

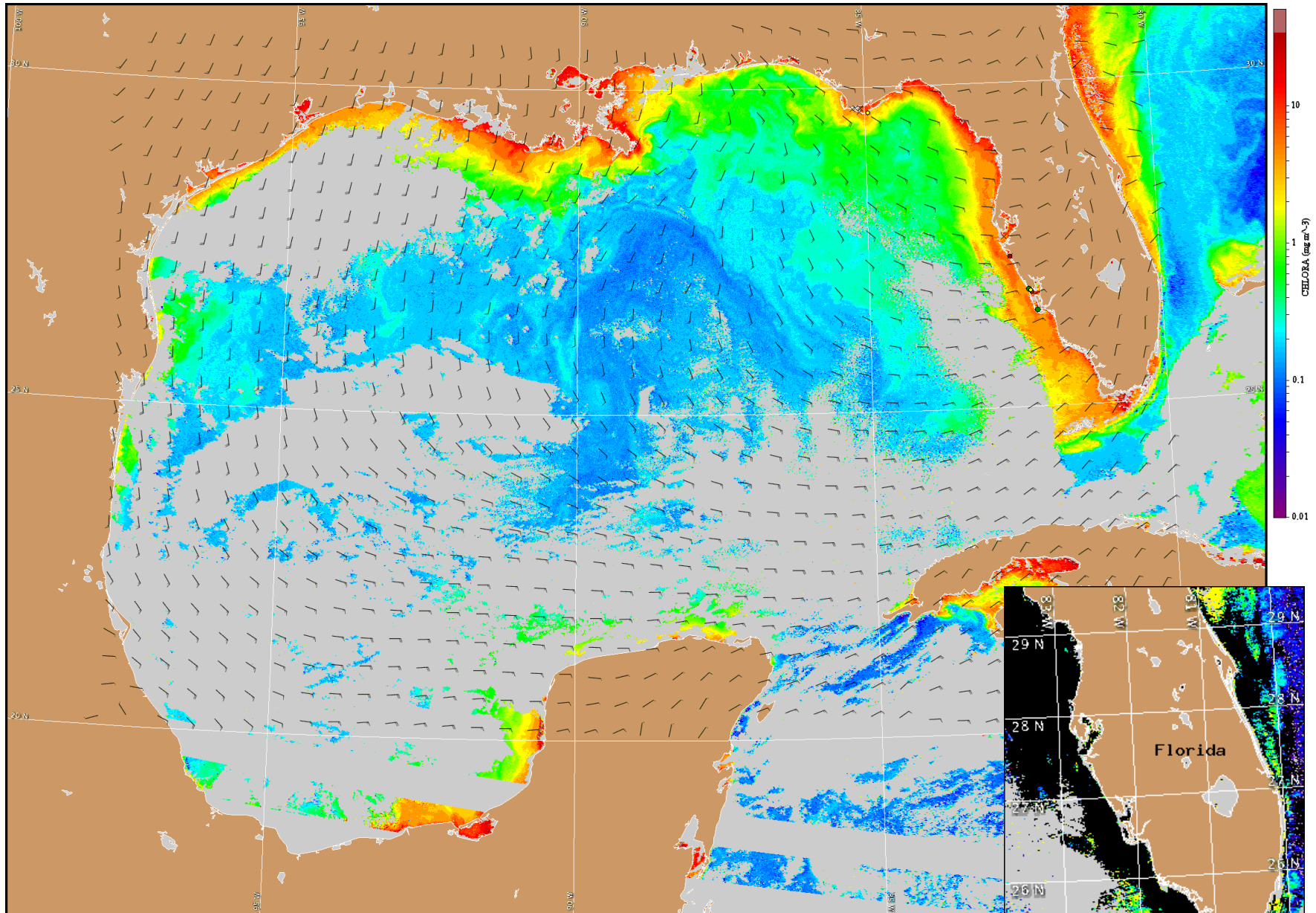


Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.

Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Key West: North to northeasterlies (10-15kts, 5-8m/s) through tonight will become easterly on Saturday and southeasterly Sunday (continually 10-15kts). Southerly winds expected Monday.



Satellite chlorophyll image and forecast winds for December 3, 2005 12Z with cell concentration sampling data from November 22 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

